

## Product datasheet for **RG206378**

### **BPIL1 (BPIFB2) (NM\_025227) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BPIL1 (BPIFB2) (NM_025227) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BPIFB2
Synonyms:	BPIL1; C20orf184; dj726C3.2; LPLUNC2; RYSR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG206378 representing NM\_025227  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTGGGCAAGTAGGCTGGGCTGCTGCTGGCACTGCTGCTGCCCGTGGTGGTGCCTCCACGCCAG  
 GCACCGTGGTCCGACTCAACAAGGCAGCATTGAGCTACGTGTCTGAAATTGGGAAAGCCCTCTCCAGCG  
 GGCCCTGCAGGCTACTGTCCCTCATTTCCTGGACTGGAGTGGAGAGGCGCTTCAGCCCACCAAGGATCCGG  
 ATTCTGAATGTCCATGTGCCCGCCTCCACCTGAAATTCATTGCTGGTTTCGGAGTGCAGCTGCTGGCAG  
 CAGCTAATTTTACTTTCAAGGTCTTTTCGCGCCCCAGAGCCCTGGAGCTGACGCTGCCTGTGGAAGTGT  
 GGCTGACACCCGCGTGACCCAGAGCTCCATCAGGACCCCTGTGGTGCAGCATCTCTGCCTGCTTTTATTC  
 TCGGGCCACGCCAACGAGTTTGATGGCAGTAACAGCACCTCCACGCGCTGCTGGTCTGGTGCAGAAGC  
 ACATTAAGCTGTCTTGAGTAACAAGCTGTGCCTGAGCATCTCCAACCTGGTGCAGGGTGTCAATGTCCA  
 CCTGGGCACCTTAATTGGCTCAACCCCGTGGGTCTGAGTCCCAGATCCGCTATTCCATGGTCAAGTGTG  
 CCCACTGTCAACAGTACTACATTTCCCTGGAAGTCAATGCTGTTCTCTTCTGCTGGGCAAGCCATCA  
 TCCTGCCACGGATGCCACCCCTTTTGTGTTGCCAAGGCATGTGGTACCAGGGCTCCATGGCCACCGG  
 GGGCTCTCCAGCAGCTGTTTACTCTGCGCTCCTGCTGCTGCAGAAGGCCGGTGCCTCAACCTGGAC  
 ATCACAGGGCAGCTGAGGTGGATGACAACCTGCTGAACACCTCTGCTCTGGGCCGGTCAATCCCGAGG  
 TGGCCCGCAGTTTCCCGAGCCCATGCCTGTGGTGTCAAGGTGCGGCTGGGTGCCACACCTGTGGCCAT  
 GCTCCACACAAACAACGCCACCTGCGGCTGCAGCCCTTCGTGGAGTCTGGCCACAGCCTCCAACCTCG  
 GCTTTCCAGTCCCTCTTCTCCCTGGATGTGGTAGTGAACCTGAGACTCCAGCTCTCTGTCCAAGGTGA  
 AGCTTCAGGGGACCACGCTGTGCTGGGGATGTCCAGCTCACGGTGGCCTCTCCAACGTGGGCTTCAT  
 TGATACAGATCAGGTGCGCACACTGATGGGCACCGTTTTTGGAGAAGCCCTGCTGGACCATCTCAATGCT  
 CTCTTGGCCATGGGAATTGCCCTCCCTGGTGTGGTCAACCTCCACTATGTCGCCCTGAGATCTTTGTCT  
 ATGAGGGTACGTGGTATATCCAGTGGACTCTTCTACCAGAGC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG206378 representing NM\_025227  
 Red=Cloning site Green=Tags(s)

MAWASRLGLLLALLLPVVGASTPGTVVRLNKAALSYVSEIGKAPLQRALQVTVPHFLDWSGEALQPTRIR  
 ILNVHVPRLHLKFIAGFGVRLAAANFTFKVFRAPPELELTPVELLADTRVTQSSIRTPVVISACSLF  
 SGHANEFDGSNSTSHALLVLVQKHIAVLSNKLCLISINLVQGVNVHLGTLIGLNPVGPESQIRYSMVS  
 PTVTSYDISLEVNAVLFLGKPIILPTDTPFVLPVHVGTEGSMATGGLSQQLFDSALLLQKAGALNLD  
 ITGQLRSDNLLNTSALGRLIPEVARQFPEPMPVVLKVRGATPVAMLHTNNATLRLQPFVEVLATASNS  
 AFQSLFSLDVVNLRLQLSVSKVQLQGTTSVLGDVQLTVASSNVGFIDTDQVRTLMTVFEKPLLDHLNA  
 LLAMGIALPGVVNLHYVAPEIFYVEGYVVISSGLFYQS

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_025227.1</a></u> , <u><a href="#">NP_079503.1</a></u>
<b>RefSeq Size:</b>	1897 bp
<b>RefSeq ORF:</b>	1377 bp
<b>Locus ID:</b>	80341
<b>UniProt ID:</b>	<u><a href="#">Q8N4F0</a></u>
<b>Cytogenetics:</b>	20q11.21
<b>Domains:</b>	BPI1
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Gene Summary:</b>	This gene encodes a member of the lipid transfer/lipopolysaccharide binding protein (LT/LBP) gene family. It is highly expressed in hypertrophic tonsils. This gene and three other members of the LT/LBP gene family form a cluster on the long arm of chromosome 20. [provided by RefSeq, Jul 2008]